ABSTRACT OF THE DISCLOSURE

A predictive failure system for a power delivery system. The power delivery system includes a number of modules which are interconnected to a system monitor. The system monitor collects data on operating parameters of each module and environmental parameters. The system monitor analyzes the data in order to define conditions based upon the parameters. The parameters are then applied against a set of rules to determine whether a warning or a fault indicator should be generated. The system monitor may be implemented locally as part of the power delivery system or may be located remotely from the power delivery system to enable off site data collection and analysis.